

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505478

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505478
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

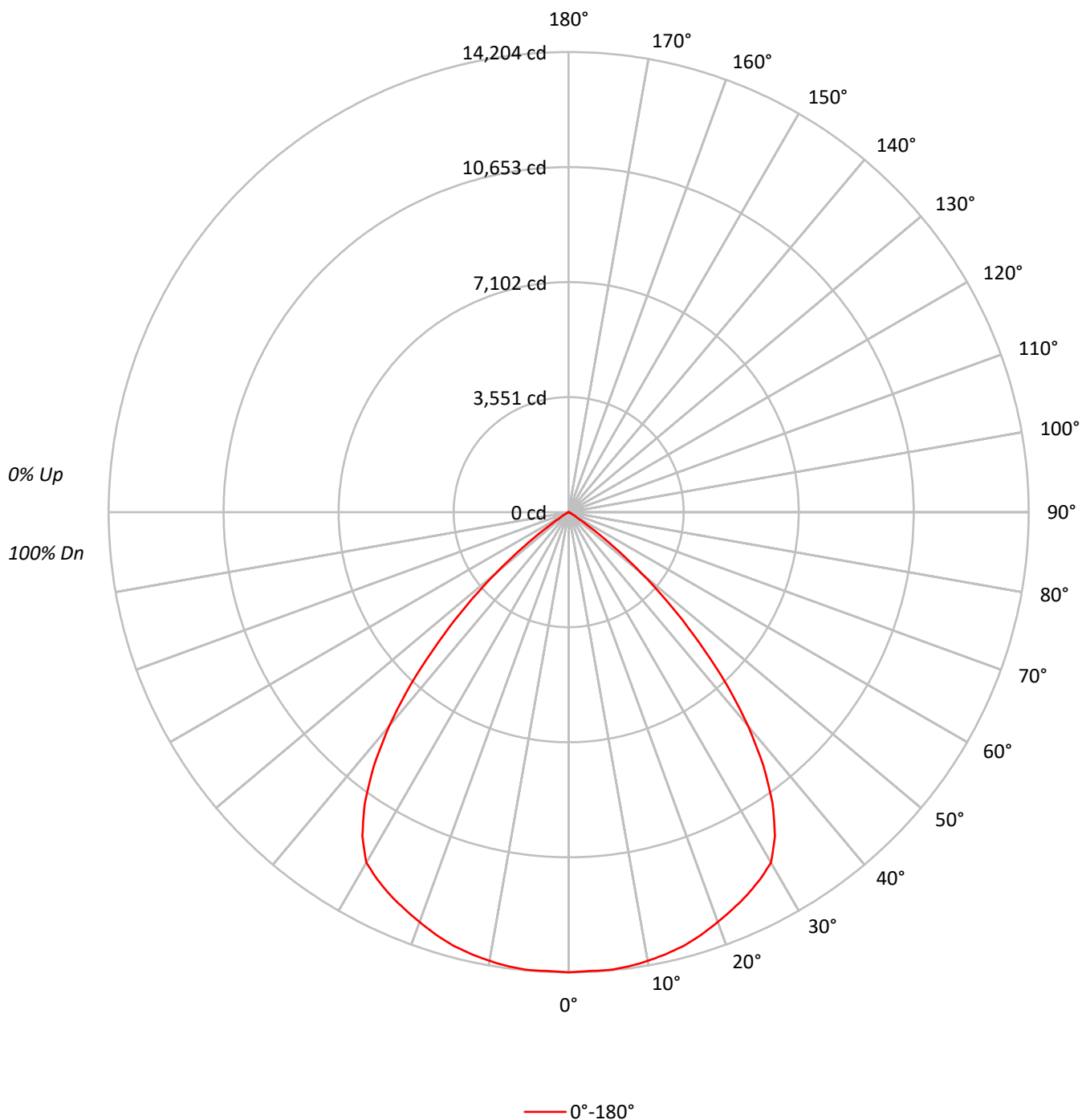
Lumens per Lamp: N/A
Luminaire Lumens: 23481.1 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90498
5°	90730
10°	90989
15°	91294
20°	91271
25°	91653
30°	91898
35°	85319
40°	71654
45°	51387
50°	29327
55°	8426
60°	2164
65°	929
70°	758
75°	807
80°	837
85°	797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1350.1	5.7
10°-20°	3905.4	16.6
20°-30°	6010.4	25.6
30°-40°	6745.6	28.7
40°-50°	4390.6	18.7
50°-60°	956.1	4.1
60°-70°	76.6	0.3
70°-80°	34.1	0.1
80°-90°	12.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11265.9	48.0
0°-40°	18011.5	76.7
0°-60°	23358.1	99.5
0°-90°	23481.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23481.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14204	
5°	14187	###
15°	13841	3905
25°	13038	6010
35°	10970	6746
45°	5703	4391
55°	759	956
65°	62	77
75°	33	34
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14204.4
2.5°	14177.6
5°	14186.6
7.5°	14145.8
10°	14064.4
12.5°	13962.2
15°	13841.0
17.5°	13664.3
20°	13461.7
22.5°	13255.2
25°	13037.8
27.5°	12783.6
30°	12491.7
32.5°	11854.2
35°	10969.6
37.5°	9878.4
40°	8615.4
42.5°	7210.4
45°	5703.2
47.5°	4289.3
50°	2958.8
52.5°	1755.4
55°	758.6
57.5°	293.9
60°	169.8
62.5°	98.3
65°	61.6
67.5°	46.7
70°	40.7
72.5°	36.7
75°	32.8
77.5°	27.8
80°	22.8
82.5°	16.9
85°	10.9
87.5°	6.0
90°	0.0

(END OF REPORT)